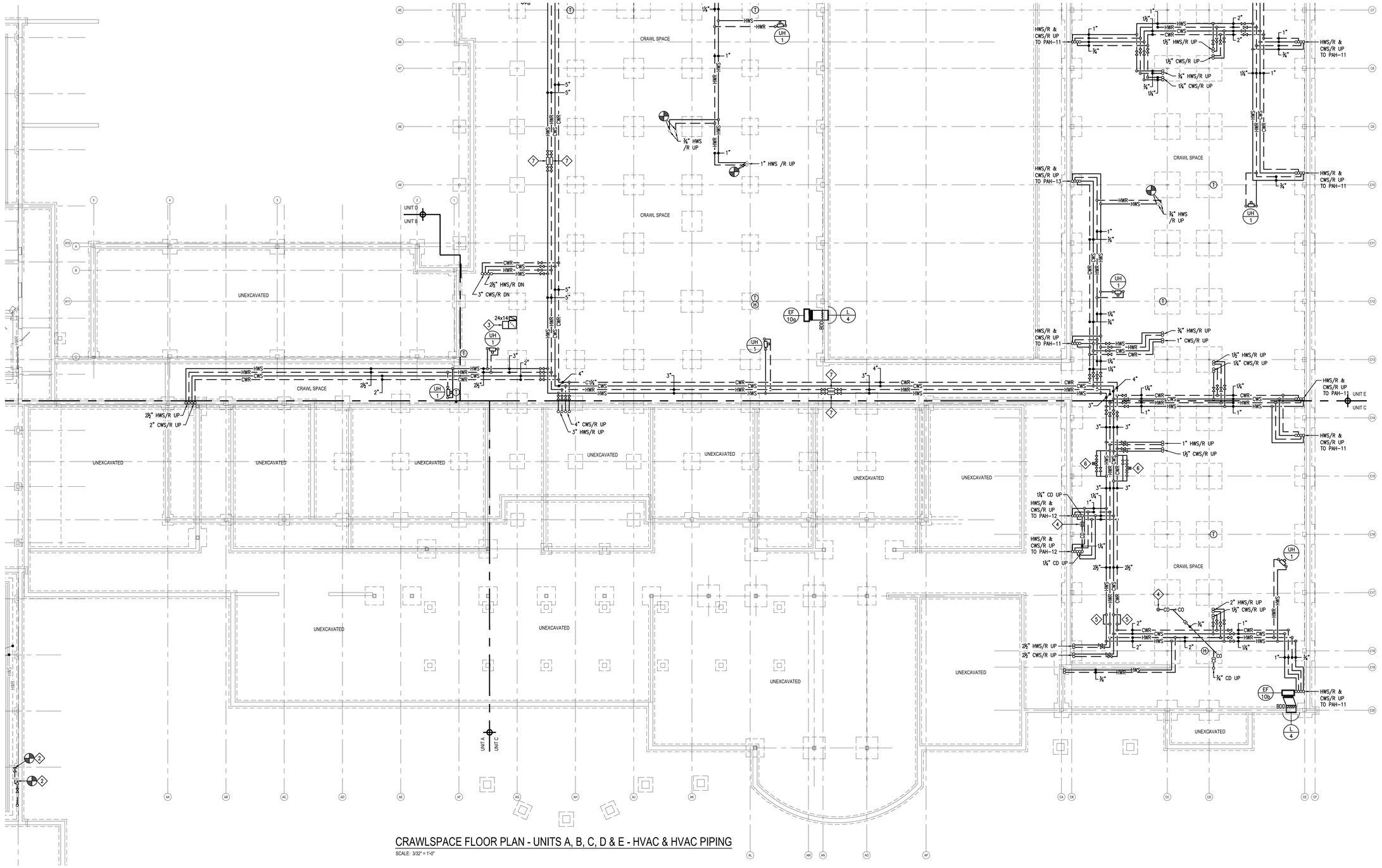


CRAWLSPACE FLOOR PLAN - UNITS A, B, C, D & E - HVAC & HVAC PIPING

SCALE: 3/32" = 1'-0"

DRAWING NOTES:

1. REFER TO DRAWING H–4 FOR HVAC GENERAL PROJECT NOTES.
2. PROVIDE REQUIRED SERVICE CLEARANCE FOR ALL HVAC UNITS AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
3. THE HVAC CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO COMPLETE ALL INDICATED WORK.
4. THE HVAC CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION AND BACKFILLING NOT INDICATED TO BE PROVIDED BY THE GENERAL CONTRACTOR ELSEWHERE IN THE DOCUMENTS THAT IS REQUIRED TO COMPLETE ALL INDICATED HVAC WORK.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF HVAC CEILING OUTLETS AND OTHER CEILING MOUNTED DEVICES. ANY CEILING REMOVAL REQUIRED FOR WORK TO BE COMPLETED UNDER THIS CONTRACT, THAT IS NOT INDICATED ON THE ARCHITECTURAL PLANS, SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. CEILINGS REMOVED BY THIS CONTRACTOR SHALL BE REPLACE AND/OR REPAIRED BY HIM, AS PER SPECIFICATIONS.
6. HVAC CONTRACTOR SHALL PROVIDE MANUAL AIR VENTS AT ALL PIPING HIGH POINTS FOR BOTH THE HEATING WATER SYSTEM PIPING AND CHILLED WATER SYSTEM PIPING, TYPICAL THROUGHOUT THE ENTIRE PROJECT.
7. PROVIDE ALL REQUIRED TEMPORARY PIPING CONNECTIONS NEEDED TO KEEP EXISTING DUAL TEMPERATURE, CHILLED WATER AND HEATING SYSTEM PIPING LOOPS ACTIVE UNTIL ALL PHASES OF CONSTRUCTION ARE COMPLETE.
8. WHERE PIPING CONNECTIONS ARE TEMPORARILY BEING MADE TO EXISTING SYSTEM MAINS, REMOVE EXISTING PIPE INSULATION FROM AREA BEING TAPPED, COMPLETE PIPING CONNECTION THEN RE–INSULATE PIPING PER REQUIREMENTS LISTED IN SPECIFICATION.
9. PRIOR TO COMPLETION OF FINAL PHASE OF CONSTRUCTION, ALL TEMPORARY PIPING CONNECTIONS AND ASSOCIATED INSULATION, VALVES, HANGERS AND SUPPORTS MUST BE COMPLETELY REMOVE.

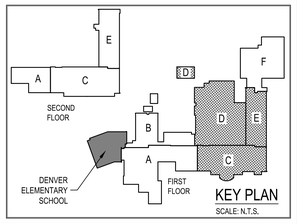
KEYED DRAWING NOTES:

1. PROVIDE AN ISOLATION VALVE IN EXISTING PIPING MAIN, RE–INSULATE PIPING AS INDICATED IN SPECIFICATIONS.
2. PROVIDE AN ISOLATION VALVE IN EXISTING BRACH PIPING EXTEND PIPING UP TO FLOOR ABOVE, REFER TO EQUIPMENT SCHEDULE FOR REQUIRED PIPING SIZE, INSULATE PIPING AS INDICATED IN SPECIFICATIONS.
3. PROVIDE 1/2" x 1/2" STAINLESS STEEL MESH SCREEN OVER END OF DUCT OPENING AND SECURE IN PLACE ON ALL SIDES.
4. EXTEND CONDENSATE DRAIN PIPING TO P.C. PROVIDED INDIRECT WASTE RECEPTOR AND SPILL INTO RECEPTOR, TERMINATE DRAIN PIPING WITH A 90° TURNED DOWN ELBOW AND A 2" AIR GAP.
5. PROVIDE DIFFERENTIAL PRESSURE TRANSMITTER. COORDINATE FINAL LOCATION WITH ATC MANUFACTURER'S REQUIREMENTS, LOCATION TO BE FULLY ACCESSIBLE. REFER DIFFERENTIAL PRESSURE TRANSMITTER DETAIL NO. 10, SHOWN ON DRAWING H–4.
6. PROVIDE BY–PASS VALVE ASSEMBLY. REFER TO PIPING SCHEMATICS FOR DETAILS.
7. PROVIDE EXPANSION COMPENSATOR AT THIS LOCATION WHICH ACCOMMODATES 2" OF MOVEMENT. REFER TO SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL PANEL LOCATIONS (INSIDE ELECTRICAL AND OUTSIDE ELECTRICAL ROOMS) WITH PIPING AND DUCTWORK LAYOUTS PRIOR TO PIPING AND DUCTWORK INSTALLATION. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL N.E.C. (NATIONAL ELECTRIC CODE) CLEARANCES BEFORE INSTALLING ANY PIPING AND DUCTWORK. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS RESULTING TO REWORKING (REMOVING AND REINSTALLING) PIPING AND DUCTWORK INSTALLED IN CONFLICT WITH ELECTRICAL PANELS/EQUIPMENT CLEARANCES.

THE HVAC CONTRACTOR WILL BE RESPONSIBLE TO FOLLOW THE PROJECT PHASING SCHEDULE AND ONLY REMOVE SYSTEM COMPONENTS FROM AREAS OF THE PROJECT THAT ARE NO LONGER OCCUPIED AND ARE WITHIN THE CURRENT PHASING LIMITATIONS.

THE HVAC CONTRACTOR WILL NEED TO PROVIDE ALL REQUIRED ISOLATION VALVES AND TEMPORARILY HVAC CONNECTIONS NECESSARY TO KEEP THE EXISTING HEATING/COOLING SYSTEMS FULLY OPERATIONAL WITHIN THE OCCUPIED PORTIONS OF THE BUILDING THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.



KEY PLAN

SCALE: N.T.S.

CONSOLIDATED ENGINEERS
1022 James Drive
Leesport, PA 19533
Tel: 610-916-1600 Fax: 610-916-1610
Internet: www.consolidatedengineers.com

COMMONWEALTH OF REGISTERED PROFESSIONAL
ADAM NICHOLAS MOSER
ENGINEER
No. PE074301
TRANSITION

AEM ARCHITECTS INC.
3700 PERKIOMEN AVENUE, READING, PA 19606-2795
Phone: 610.779.3220 Fax: 610.779.9022
www.aem-arch.com

CRAWLSPACE FLOOR PLAN - UNITS A, B, C, D & E
HVAC & HVAC PIPING

RENOVATIONS TO THE COCALICO MIDDLE SCHOOL
COCALICO SCHOOL DISTRICT
SOUTH 4TH STREET, DENVER BOROUGH, LANCASTER COUNTY PA

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

JOB NO.: 23001.00
DRAWN BY: RLC
DATE: 04.12.24

H-02